

BRUHAT BANGALORE MAHANAGARA PALIKE

Office Of The Executive Engineer
Electrical Division Dasarahalli Zone
Bruhat Bangalore Mahanagara palike

Approved SCHEDULE - B

Name of the Work:- Providing Electrification and Fixtures to Bangalore one office and tax office multipurpose building in ward no 13 in shettyhalli sub division.					
Sl. No.	Qty.	Description of Work	Unit	Rate Rs.	Rupes in Words
1	225	Concealed Conduit System Supplying heavy gauge PVC conduit pipe mm dia mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick	Mtrs	57.00	Rupees Fifty Seven Only
2	75	Supplying heavy gauge PVC Conduit Pipe dia mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.25mm dia 2mm thick	Mtrs	58.00	Rupees Fifty Eight Only
3	12	Supplying And Fixing Metal Fan Box with Round Hook.	No	92.00	Rupees Ninety Two Only
4	11	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way	Nos	91.00	Rupees Ninety One Only
5	2.00	4-5 Way	Nos	98.00	Rupees Ninety Eight Only
6	8.00	6 Way	Nos	121.00	Rupees One Hundred and Twenty One Only
7	5.00	8 Way	Nos	140.00	Rupees One Hundred and Forty Only
8	5	10-12 Way	Nos	159.00	Rupees One Hundred and Fifty Nine Only
9	11	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module	Nos	109.00	Rupees One Hundred and Nine Only
10	2.00	4 Module	Nos	122.00	Rupees One Hundred and Twenty Two Only

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NARAHARI D
Managing Director

11	8.00	6 Module	Nos	173.00	Rupees One Hundred and Seventy Three Only
12	5.00	8 Module	Nos	200.00	Rupees Two Hundred Only
13	5	12 Module	Nos	267.00	Rupees Two Hundred and Sixty Seven Only
14	63	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 6Amps one way switch.	Nos	63.00	Rupees Sixty Three Only
15	10	6Amps 3way socket.	Nos	95.00	Rupees Ninety Five Only
16	9	Stepped Fan Regulator.	Nos	286.00	Rupees Two Hundred and Eighty Six Only
17	3	16Amps one way switch	Nos	114.00	Rupees One Hundred and Fourteen Only
18	3	6/16Amps universal socket	Nos	147.00	Rupees One Hundred and Forty Seven Only
19	20	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps.	Nos	88.00	Rupees Eighty Eight Only
20	350	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B.1.5 sqmm	Mtrs	15.90	Rupees Fifteen Only Paise Ninety Only
21	250	2.5 sqmm	Mtr.	24.90	Rupees Twenty Four Only Paise Eighty Nine Only
22	150	4 sqmm	Mtr.	36.30	Rupees Thirty Six Only Paise Twenty Nine Only
23	15	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size mm conduit using necessary machine screws.80mm	Nos	9.00	Rupees Nine Only
24	8	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet.GROUP BShort point upto 3Mtr from tapping point to out let via switch box	Points	130.00	Rupees One Hundred and Thirty Only
25	20	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Point	190.00	Rupees One Hundred and Ninety Only

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26	25	Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Point	291.00	Rupees Two Hundred and Ninety One Only
27	1	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door8Way SP &N	Nos	1299.00	Rupees One Thousand Two Hundred and Ninety Nine Only
28	4	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32 Amps DP	Nos	849.00	Rupees Eight Hundred and Forty Nine Only
29	12	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts		1774.00	Rupees One Thousand Seven Hundred and Seventy Four Only
30	8	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.	No	4945.00	Rupees Four Thousand Nine Hundred and Forty Five Only
31	2	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.12" Sweep (300mm)	No	3654.00	Rupees Three Thousand Six Hundred and Fifty Four Only
32	9	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm) Regular model	Nos	2376.00	Rupees Two Thousand Three Hundred and Seventy Six Only
33	3	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.400mm Sweep	Nos	2534.00	Rupees Two Thousand Five Hundred and Thirty Four Only
34	20	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders	Nos	98.00	Rupees Ninety Eight Only

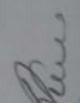
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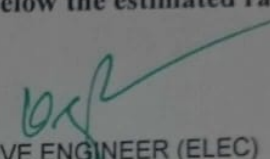
NARAHARI D
Managing Director

35	14	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Each	139.00	Rupees One Hundred and Thirty Nine Only
36	30	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs	140.40	Rupees One Hundred and Forty Only Paise Forty Only
37	30	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. On wall / Structure. 6 sqmm to 16 sqmm	Mtrs	31.00	Rupees Thirty One Only
38	5	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm	Mtrs	345.00	Rupees Three Hundred and Forty Five Only
39	1	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.16Sqmm	Nos	280.00	Rupees Two Hundred and Eighty Only
40	9600	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcms	0.33	Rupees Zero Only Paise Thirty Three Only
41		Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Nos	2727.00	Rupees Two Thousand Seven Hundred and Twenty Seven Only
42	6	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.LED Light fixture with W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. Luminaire manufacturer should have in-house facility accredited	Nos	31250.00	Rupees Thirty One Thousand Two Hundred and Fifty Only

43	6.00	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe	Nos	893.00	Rupees Eight Hundred and Ninety Three Only
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I am prepared to take up the above work at -3.31% Below the estimated rates.


 Narahari D
 Managing Director
 For Bengal Developers And Projects Pvt. Ltd
 Contractor S


 EXECUTIVE ENGINEER (ELEC)
 DASARAHLLI ZONE
 BRUHAT BANGALORE MAHANAGARA PALIKE